

Fig. 1

[88.0% / 935 aa]

1' MQNSAMKPWLDSWLAGANQSYIEQLYEDFLTPDSVDAYWRSMFQQLPGTGVKPEQFHS  
 1" MQNSALKAWLDSSYLSGANQSWIEQLYEDFLTPDSVDANWRSTFQQLPGTGVKPDQFHS  
 61' ATREYFRRLAKDASRYTSVTPATNSKQVKVLQLINAFRFRGHQEANLDPGLWQKDRV  
 61" QTREYFRRLAKDASRYSTISDPOTNVKQVKVLQLINAYRFRGHQHANLDPGLWQKDKV  
 121' AOLDPAFHOLDADFQESFNVGSFAIGKETMKLADLFDALKQTYCGSIGAEYMHINNTTE  
 121" AOLDPFHDLTADFQETFNVGSFASGKETMKLGELLEALKQTYCGPIGAEYMHITSTEE  
 181' KRWIQQRIESGASQTSFSGEEKKGFLKELTAAEGLEKYLGAKFPGAKRFSLEGGDALVPM  
 181" KRWIQQRIESG--RATFNSEEKKRFLSELTAAGLERYLGAKFPGAKRFSLEGGDALIPM  
 241' LREMIRHAGKSGTREVVLGMAHRGRLNVLINVLGKKPQDLDFEFGKHKEHLGTGDVKYH  
 239" LKEMIRHAGNSGTREVVLGMAHRGRLNVLNVLGKKPQDLDFEFAGKHKEHLGTGDVKYH  
 301' MGFSSDIETEGGLVHLALAFNPISHLEIVSPVVMGSRARLDRLAEPVSNKVLPIITHGOA  
 299" MGFSSDFQTDGGLVHLALAFNPISHLEIVSPVVGSRARLDRLDEPSSNKVLPIITHGOA  
 361' AVIGQGQVQETLNMSQARGYEVGGTVRIVINNQGFTTSPKDKARSTPYCTDIGKMWLAP  
 359" AVTGGQVQVQETLNMSKARGYEVGGTVRIVINNQGFTTSPNLDARSTPYCTDIGKMWQAP  
 421' IFHVNADDPEAVAFVTRLALDYRNTFKRDVFIDLVCYRRHGHNEADEPSATQPLMYQIK  
 419" IFHVNADDPEAVAFVTRLALDFRNTFKRDVFIDLVSYRRHGHNEADEPSATQPLMYQIK  
 481' KHPTPRKIYADRLEGEQVATLEDATEMVNLYRDALDAGECVPEWRPMSLHSFTWSPYLN  
 479" KHPTPRKIYADKLEQEKVATLEDATEMVNLYRDALDAGDCVVAEWRPMNMHSFTWSPYLN  
 541' HEWDEEPPYPAQVDMKRLKELALRISQVPEQIEVQSRVAKIYNDRKLMAEGEKAQFOWGGAEN  
 539" HEWDEEYPNKVEMKRLQELAKRISTVPEAVEMQSRVAKIYQDRQAMAAGEKLFOWGGAEN  
 601' LAYATLVDEGIPVRLSGEDSGRGTFFHRHAVVHNQANGSTYTPLHHIHNSQGEFKVWDSV  
 599" LAYATLVDEGIPVRLSGEDSGRGTFFHRHAVIHNSQNGSTYTPLQHHIHNGQCAFVWDSV  
 661' LSEEAVLAFEYGYATAEPRLTIWEAQFGDFANGAQVVIDQFISSGEQKWGRMCGLVMLL  
 659" LSEEAVLAFEYGYATAEPRLTIWEAQFGDFANGAQVVIDQFISSGEQKWGRMCGLVMLL  
 721' PHGYEGQGPEHSSARLERYLQLCAEQNMQVCVPSTPAQVYHMLRRQALRGMRRLVVMSP  
 719" PHGYEGQGPEHSSARLERYLQLCAEQNMQVCVPSTPAQVYHMLRRQALRGMRRLVVMSP  
 781' KSLLRHPLAIISSLELANGSFQPAIGEIDDLDPQGVKRVVLCGKVVYDLEQRRKDEKT  
 779" KSLLRHPLAVSSLELANGTFLPAIGEIDELDPKGVKRVVMCSGKVVYDLEQRRKNNQH  
 841' DVAIVRIEQLYPFHQAVQEALKAYSHVQDFVWCQEEPLNQAWYCSQHHFROVVPFGAT  
 839" DVAIVRIEQLYPFPHKAMQEVLLQFAHVKDFVWCQEEPLNQAWYCSQHHFREVIPFGAS  
 901' LRYAGRPASASPAVGYSVHQQQQQLVNDALNVN  
 899" LRYAGRPASASPAVGYSVHQKQQQQLVNDALNVE

Fig. 2

[88.2% / 407 aa]

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1' MSSVDILVPOLPESVADATVATWHKKPGDAVSRDEVIVEIETOKVVLEVPASADGVLEAV
.....
1' MSSVDILVPOLPESVADATVATWHKKPGDAVVRDEVIVEIETOKVVLEVPASADGILDV
.....
61' LEDEGATVTSRQILGRLKEGNSAGKESAKAESNDTTPAQRQTASLEEESSDALSPAIRR
.....
61' LEDEGTTVTSRQILGRLREGNSAGKETSAKSEKASTPAQRQASLEEQNNOALSPAIRR
.....
121' LIAEHNLDAAQIKGTGVGGRLTREDVEKHLANKPQAEKAAAPAGAATAQQPVANRSEKR
.....
121' LIAEHNLDASAIAIKGTGVGGRLTREDVEKHLAKAPAKE--SAPAAAAAPAAPALAAARSEKR
.....
181' VPMTRLRKRVAERLLEAKNSTAMLTTFNEINMKPIMDLRKQYGDAFEKRGVRLGFMSFY
.....
179' VPMTRLRKRVAERLLEAKNSTAMLTTFNEVNMKPIMDLRKQYGEAFEKRGVRLGFMSFY
.....
241' IKAVVEALKRYPEVNASIDGEDVVYHNYFDVSIADVSTPRGLVTPVLRDVALSMADIEKK
.....
239' VKAVVEALKRYPEVNASIDGDDVVYHNYFDVSMVSTPRGLVTPVLRDVALSMADIEKK
.....
301' IKELAVKGRDGKLTVDLTGGNFTITNGGVFGSLMSTPIINPPQSAILGMHAIKDRPMAV
.....
299' IKELAVKGRDGKLTVEDLTGGNFTITNGGVFGSLMSTPIINPPQSAILGMHAIKDRPMAV
.....
361' NGQVVILPMMYLALSYDHLIDGRESVGVLVAVKEMLEDPARLLLDV
.....
359' NGQVEILPMMYLALSYDHLIDGRESVGFLVTIKELLEDPTRLLLDV
.....
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Fig. 3

[95.1% / 41 aa]

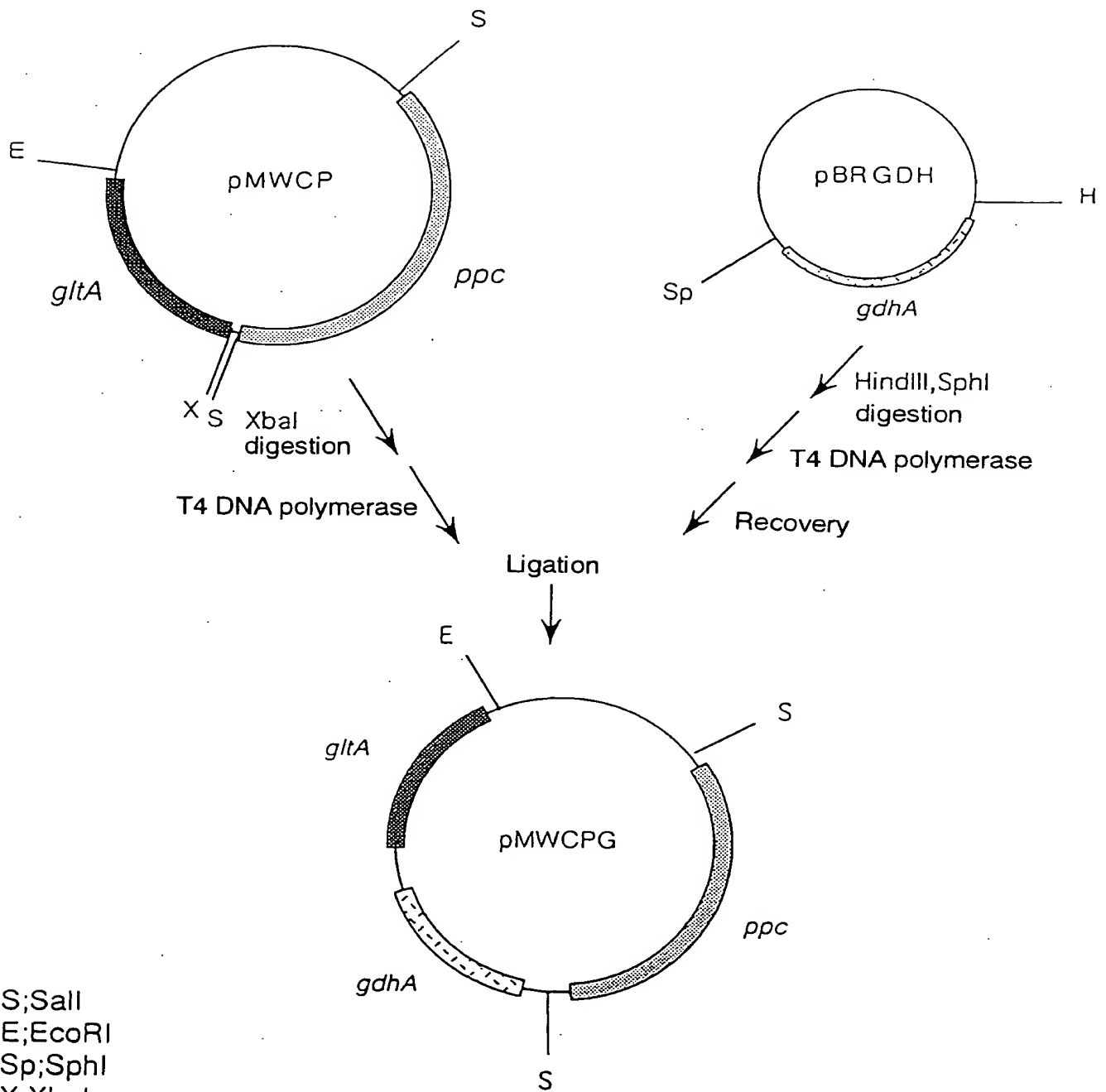
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1' MNLHEYQAKQLFARYGMPAPTGYACTTPREAEAAASKIGAG
.....
1' MNLHEYQAKQLFARYGLPAPVGYACTTPREAEAAASKIGAGPMVVKCQVHAGGRGKAGGV
.....
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Fig. 4

[97.4% / 39 aa]

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1' .....AFSVFRCHSIMNCVSVCPKGLNPTRAIGHIKSMMLQRSA
181' FLIDSRDTETDSRLOGLSDAFSVFRCHSIMNCVSVCPKGLNPTRAIGHIKSMMLQRNA
.....
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Fig. 5



S;Sall  
 E;EcoRI  
 Sp;SphI  
 X;XbaI  
 H;HindIII

Fig. 6

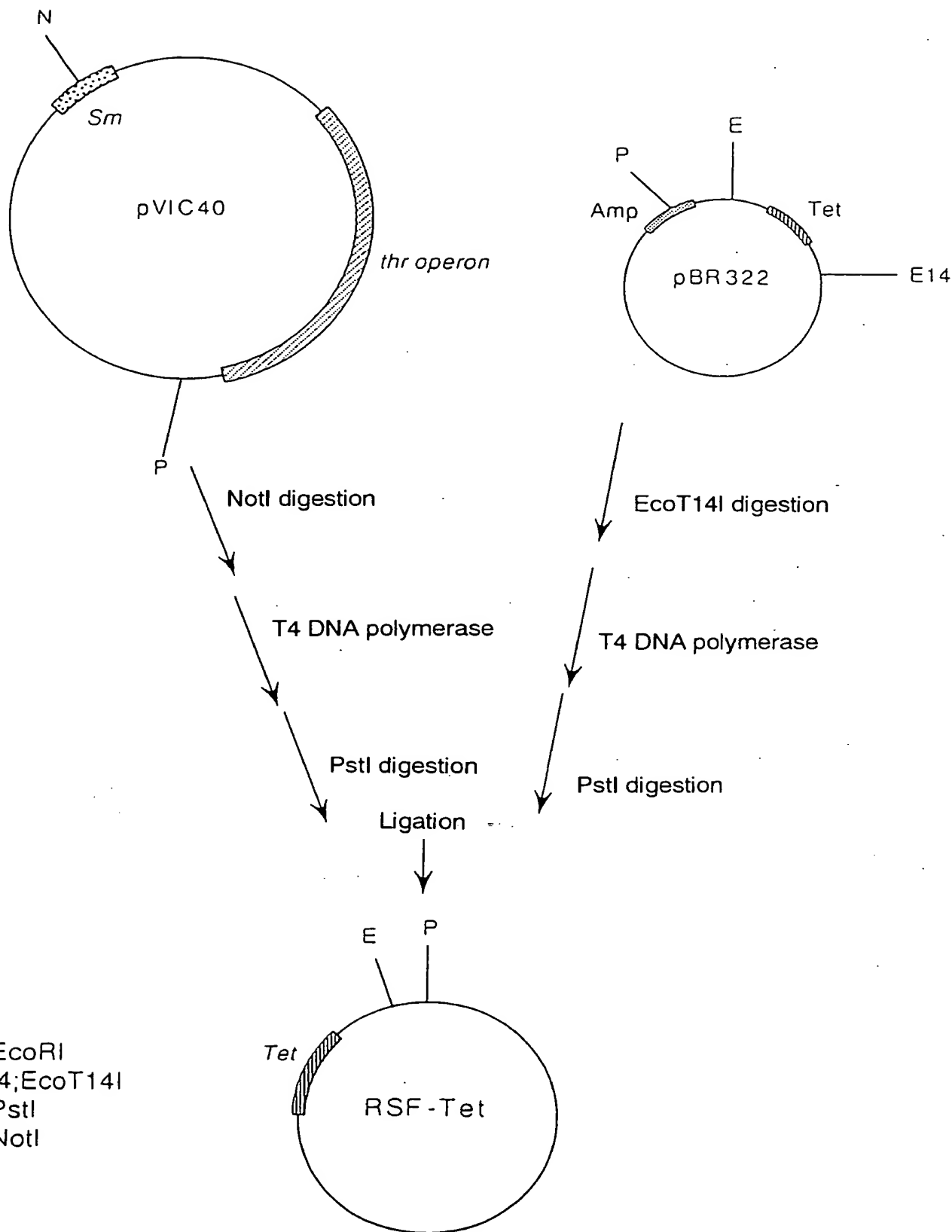
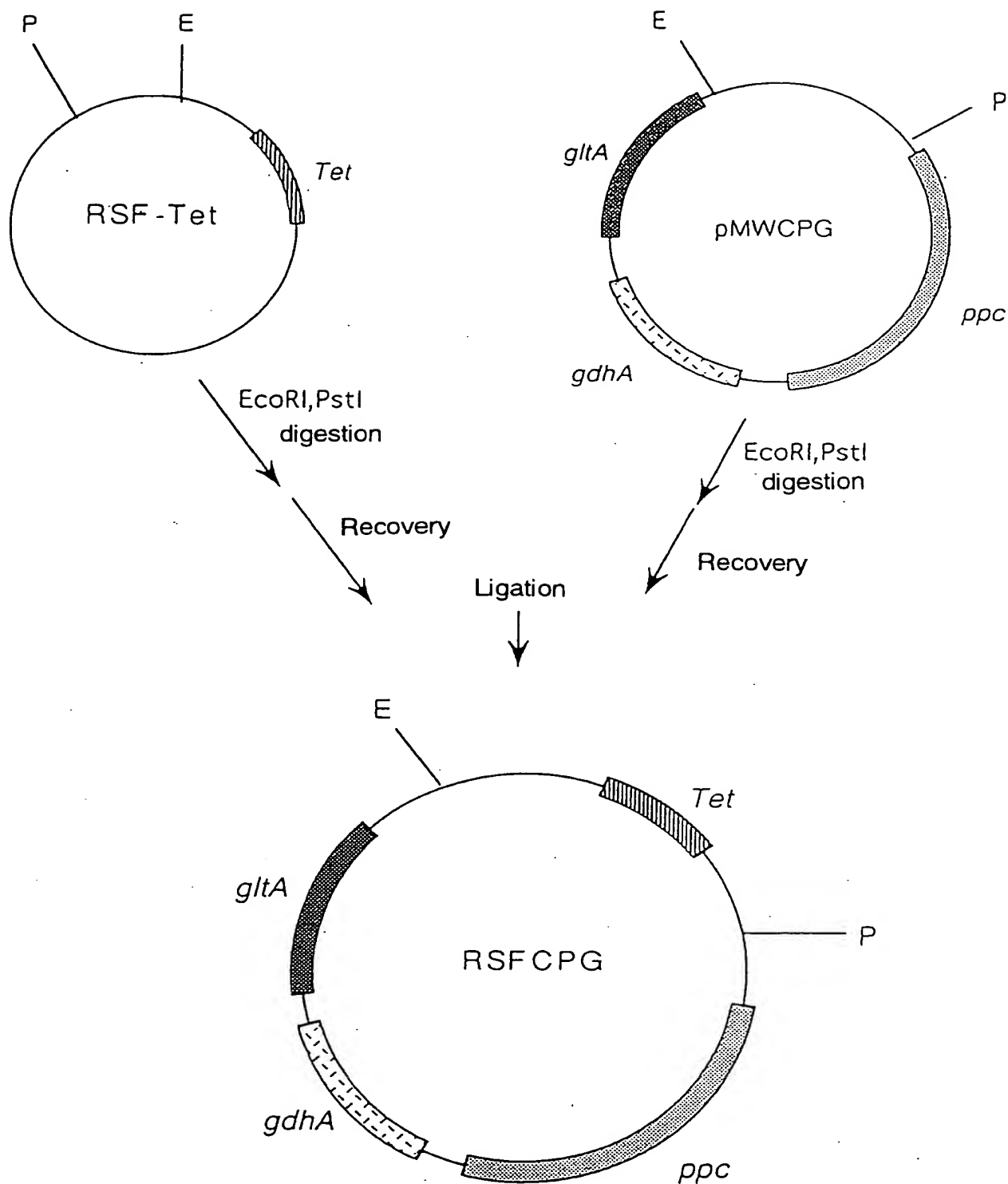


Fig. 7



E;EcoRI  
P;PstI

Fig. 8

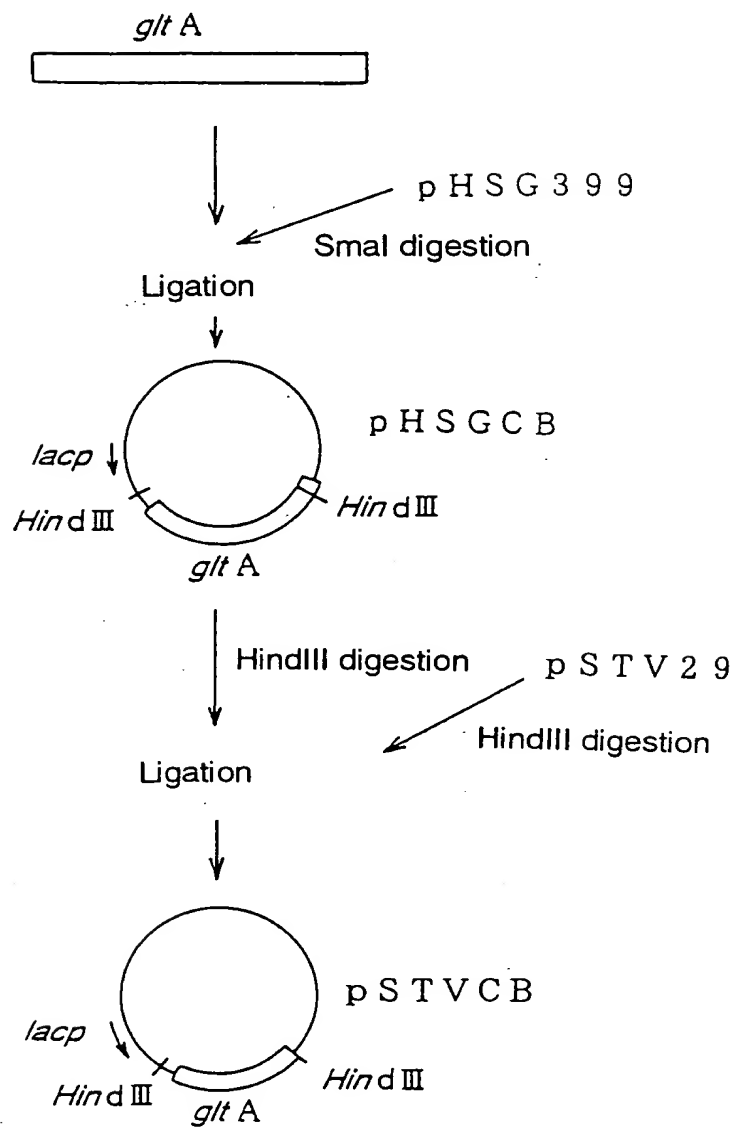


Fig. 9